

## **REMARKS/ARGUMENT**

Claim 1-29 stand allowed.

Claim 30 has been amended better to define the claimed invention and overcome the rejection under 35 U.S.C. 112, second paragraph. Accordingly, the 35 U.S.C. 112, second paragraph, rejection of Claims 30 & 31 is overcome.

Claims 30 & 31 stand rejected under 35 U.S.C. 102(b) as being anticipated by Thomas et al. (US Patent Number 6,124,818). Applicant respectfully traverses this rejection as applied to Claim 30, as amended, as follows:

Independent Claim 30, as amended, requires and positively recites, a pipelined analog to digital conversion system, comprising: “a first successive approximation subconverter stage comprising a first switched capacitor system including a first capacitor array, the first successive subconverter stage receiving a conversion system analog input and providing a first subconverter stage digital output representative of the conversion system analog input and a first residue output representative of a difference between the conversion system analog input and the first subconverter stage digital output” and “a second successive approximation subconverter stage comprising a second switched capacitor system including a second capacitor array, the second successive subconverter stage receiving the first residue output and providing a second subconverter stage digital output **representative of the first residue output and a second residue output representative of a difference between the received first residue output and the second subconverter stage digital output**”.

The Thomas reference, on the other hand, fails to teach or suggest, "a second subconverter stage digital output **representative of the first residue output and a second residue output representative of a difference between the received first residue output and the second subconverter stage digital output**", as required by Claim 19. Accordingly, the 35 U.S.C. 102(b) rejection of Claim 30 is overcome.

Claim 31 depends from allowable Claim 30 and is therefore allowable.

Claims 1-29 stand allowed. Claims 30 & 31, as amended, similarly stand allowable over the references of record. Applicant respectfully requests allowance of the application as the earliest possible date.

Respectfully submitted,



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